CLAIMS (with indication of amended or new):

1. (Amended) A method of making a stamp for microcontact printing said method substantially eliminating pattern distortion of said stamp formed as a result of said method, comprising:

injection molding an elastomer reactive mix into a mold;

substantially curing and crosslinking said elastomer reactive mix in said mold for a period of time ranging from in excess of one hour to one week and beyond, at a substantially constant temperature to form an article, said constant curing temperature also being the end-use temperature of a stamp to be formed from said article formed from said elastomer reactive mix, wherein the pattern geometry of an article so-formed is fixed at end-use thermal conditions;

followed by a subsequent cure of said elastomer reactive mix at a temperature of from between about 50 °C and 120 °C, which curing temperature is higher than said substantial end-use temperature and is sufficient to provide required dimensional integrity for pattern faithfulness and is sufficient to harden said elastomer reactive mix to a desired elastic modulus.

2. (Amended) The method of making a stamp for microcontact printing defined in claim 1 wherein said elastomer reactive material is a siloxane.